



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification<sup>6</sup> : C07C 227/36, 229/48</p>	<p>A3</p>	<p>(11) International Publication Number: <b>WO 99/03821</b></p> <p>(43) International Publication Date: 28 January 1999 (28.01.99)</p>					
<p>(21) International Application Number: PCT/IE98/00052</p> <p>(22) International Filing Date: 26 June 1998 (26.06.98)</p> <p>(30) Priority Data:</p> <table border="0"> <tr> <td>970517</td> <td>14 July 1997 (14.07.97)</td> <td>IE</td> </tr> <tr> <td>970542</td> <td>25 July 1997 (25.07.97)</td> <td>IE</td> </tr> </table> <p>(71) Applicant (for all designated States except US): RUSSINSKY LIMITED [IE/IE]; 90 South Mall, Cork (IE).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): NIKOLOPOULOS, Angelo [DE/IE]; 9 Avondale, Model Farm Road, Cork (IE). SCHICKANEDER, Helmut [DE/IE]; 10 South Channel Court, South Terrace, Cork (IE). MULCAHY, David [IE/IE]; "St Rita's", Wycherly Terrace, College Road, Cork (IE).</p> <p>(74) Agents: O'BRIEN, John, A. et al.; John A. O'Brien &amp; Associates, Third Floor, Duncairn House, 14 Carysfort Avenue, Blackrock, County Dublin (US).</p>	970517	14 July 1997 (14.07.97)	IE	970542	25 July 1997 (25.07.97)	IE	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DE (Utility model), DK, DK (Utility model), EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 20 May 1999 (20.05.99)</p>
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970542	25 July 1997 (25.07.97)	IE					
<p>(54) Title: PROCESS FOR ISOMERISATION OF TILIDINE</p> <p>(57) Abstract</p> <p>Cis/trans Tilidine base with an enhanced content of the trans isomer is prepared by mixing a substantially pure cis Tilidine base with water under acidic conditions, preferably using phosphoric acid, at pH values between 2 to 6. Alternatively the substantially pure cis Tilidine base is mixed with a solvent, especially diisopropylethylamine or dimethylformamide under basic conditions at pH values of from 8 to 14. The reaction mixtures thus formed are heated to yield isomerised cis/trans Tilidine base with an enhanced content of the trans isomer.</p>							

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IE 98/00052

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 6 C07C227/36 C07C229/48

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 6 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>o</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 679 732 A (NOVACK ROBERT M) 25 July 1972 cited in the application see examples	27
A	see column 2 - column 3 -----	1-26
X	US 3 557 127 A (SATZINGER GERHARD) 19 January 1971 cited in the application see examples	27
A	see column 5-7 -----	1-26
X	DE 15 18 959 B (GÖDECKE AG) 26 March 1970 cited in the application see example 1	27
A	see column 1 - column 2 -----	1-26

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Sánchez García, J.M.

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